

ABSTRACT OF THE DISCLOSURE

The invention relates to a A method for controlling and/or adjusting a welding process, ~~using~~ uses a melting electrode, wherein after ignition of an electric arc, a welding process, which is adjusted on the basis of several different welding parameters, is carried out ~~by means~~ using a welding current source (2), ~~said the~~ process being controlled or adjusted by a control device (4). The invention also relates to Also a corresponding welding device is used to carry out the process. In order to create ~~said the~~ method, wherein the thermal heat economy is adjusted and/or regulated and/or controlled in order to introduce heat into the workpiece (16), at least two different process phases are cyclically combined, ~~said the~~ process phases having different inputs of energy via different material transitions and/or arc types, such as a pulse current phase (27) and a cold metal transfer phase (28) in order to influence or control thermal heat economy, particularly the introduction of heat into the workpiece to be processed (16).